SIEMENS

Data sheet

3RW40 55-2BB34



SIRIUS SOFT STARTER, S6, 117 A, 75 HP/460 V, 50 DEG., 200-460 V AC, 115 V AC, CAGE CLAMP TERMINALS

SIRIUS	
Yes	
Yes	
Yes	
Yes	
No	
Yes	
Yes	
No	
No	
Q	
G	
	Yes Yes No Yes Yes No Q

Power Electronics:			
Product designation		soft starters for standard applications	
Operating current			
• at 40 °C Rated value	А	134	
• at 50 °C Rated value	А	117	
• at 60 °C Rated value	А	100	
Mechanical power output for three-phase motors			
● at 230 V			

— at standard circuit at 40 °C Rated value	W	37 000
• at 400 V		
— at standard circuit at 40 °C Rated value	W	75 000
yielded mechanical performance [hp] for three-phase	metric	30
AC motor at 200/208 V at standard circuit at 50 °C	hp	
Rated value		
Operating frequency Rated value	Hz	50 60
Relative negative tolerance of the operating	%	-10
frequency		
Relative positive tolerance of the operating frequency	%	10
Operating voltage at standard circuit Rated value	V	200 460
Relative negative tolerance of the operating voltage at standard circuit	%	-15
Relative positive tolerance of the operating voltage at standard circuit	%	10
Minimum load in % of I_M	%	20
Adjustable motor current for motor overload	A	59
protection minimum rated value		
Continuous operating current in % of I_e at 40 °C	%	115
Active power loss at operating current at 40 °C during	W	60
operation typical		
	_	
Control electronics: Type of voltage of the control supply voltage	_	AC
Control supply voltage frequency 1 Rated value	Hz	50
Control supply voltage frequency 1 Rated value	Hz	60
	~ 112 ~ %	-10
Relative negative tolerance of the control supply voltage frequency	70	-10
Relative positive tolerance of the control supply	%	10
voltage frequency		
Control supply voltage 1 with AC		
• at 50 Hz Rated value	V	115
• at 60 Hz Rated value	V	115
Relative negative tolerance of the control supply	%	-15
voltage with AC at 60 Hz		
Relative positive tolerance of the control supply	%	10
voltage with AC at 60 Hz		
Display version for fault signal		red
Mechanical data:		
Size of engine control device		S6
Width	mm	120
••••		
Height	mm	198
Height Depth	mm mm	198 250
-	_	

mounting position		With additional fan: With vertical mounting surface +/- 90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back Without additional fan: With vertical mounting surface +/-10° rotatable, with vertical mounting surface +/- 10° t
Required spacing with side-by-side mounting		
• upwards	mm	100
• at the side	mm	5
 downwards 	mm	75
Installation altitude at height above sea level	m	5 000
Cable length maximum	m	300
Number of poles for main current circuit		3
Connections/ Terminals:		

Type of electrical connection	
 for main current circuit 	busbar connection
 for auxiliary and control current circuit 	spring-loaded terminals
Number of NC contacts for auxiliary contacts	0
Number of NO contacts for auxiliary contacts	2
Number of CO contacts for auxiliary contacts	1
Type of connectable conductor cross-section for main contacts for box terminal using the front clamping point	
 finely stranded with core end processing 	16 70 mm²
 finely stranded without core end processing 	16 70 mm²
• stranded	16 70 mm²
Type of connectable conductor cross-section for main contacts for box terminal using the back clamping point	
 finely stranded with core end processing 	16 70 mm²
 finely stranded without core end processing 	16 70 mm²
• stranded	16 70 mm²
Type of connectable conductor cross-section for main contacts for box terminal using both clamping points	
 finely stranded with core end processing 	max. 1x 50 mm ² , 1x 70 mm ²
 finely stranded without core end processing 	max. 1x 50 mm², 1x 70 mm²
• stranded	max. 2x 70 mm ²
Type of connectable conductor cross-section for AWG conductors for main contacts for box terminal	
 using the back clamping point 	6 2/0
 using the front clamping point 	6 2/0
 using both clamping points 	max. 2x 1/0
Type of connectable conductor cross-section for DIN cable lug for main contacts	

 finely strand 	led			16 95 mn	n²	
• stranded			25 120 m	im²		
Type of connectal auxiliary contacts	ble conductor cross-	section for				
• solid				2x (0.25	1.5 mm²)	
 finely strand 	led with core end pro	ocessing		2x (0.25 ⁻	2x (0.25 1.5 mm²)	
Type of connectal AWG conductors	Type of connectable conductor cross-section for					
 for main cor 	ntacts			4 250 kcr	nil	
 for auxiliary 	contacts			2x (24 16	5)	
Ambient condition	าร:					
Ambient temperat	ture					
 during operation 	ation		°C	-25 +60		
 during stora 	ge		°C	-40 +80		
Derating tempera	ture		°C	40		
Protection class I	Ρ			IP00		
Certificates/ appr	ovals:					
General Prod	uct Approval			EMC	For use in hazardous locations	Test Certificates
(SA)		EHC		Стіск	K ATEX	Special Test Certificate
Shipping App	roval			other		
DNV DNV	GL	Lloyd's Register LRS		Declaration of Conformity	Environmental Confirmations	
UL/CSA ratings:						

UL/CSA ratings:		
yielded mechanical performance [hp] for three-phase		
AC motor		
● at 220/230 V		
— at standard circuit at 50 °C Rated value	metric hp	40
● at 460/480 V		
— at standard circuit at 50 °C Rated value	metric hp	75
Contact rating of the auxiliary contacts acc. to UL		B300 / R300

Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

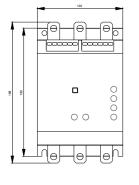
http://www.siemens.com/industrymall

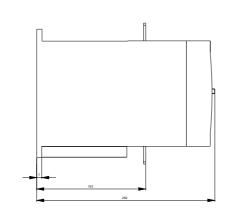
Cax online generator

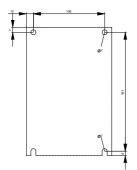
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW40552BB34

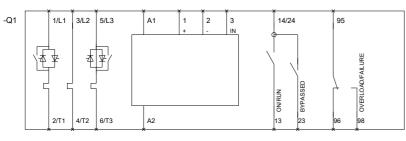
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RW40552BB34/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RW40552BB34&lang=en









last modified:

15.01.2015